

REPORT ON OIL ENGINE MACHINERY.

No. 93152

10 OCT 1928

of writing Report 10 When handed in at Local Office 10 Port of London (Spunich)
in Survey held at Spunich Date, First Survey March 24th 1929 Last Survey Sept 15th 1929
Book. Number of Volls 8
on the Single Twin Triple Quadruple Screw vessel "Victory of India" (Auxiliary for Electric Lighting) Tons Gross Net
uilt at Glasgow By whom built A. Stephens + Sons Ltd Yard No. 519 When built
ines made at Spunich By whom made Pettus (Spunich) Ltd. Engine No. 1364 When made 1928
nkey Boilers made at ✓ By whom made ✓ Boiler No. ✓ When made ✓
ake Horse Power 75 Owners ✓ Port belonging to ✓
m. Horse Power as per Rule 21.43 Is Refrigerating Machinery fitted for cargo purposes ✓ Is Electric Light fitted
ade for which vessel is intended

ENGINES, &c. Type of Engines Semi-Diesel 2 or 4 stroke cycle 2 Single or double acting Single
imum pressure in cylinders 450 lbs Diameter of cylinders 11" Length of stroke 12 No. of cylinders 2 No. of cranks 2
n of bearings, adjacent to the Crank, measured from inner edge to inner edge 12 3/4" Is there a bearing between each crank Yes
olutions per minute 370 Flywheel dia. 5'0" Weight 4,280 lbs Means of ignition Electric Kind of fuel used Crude oil
nk Shaft, dia. of journals as per Rule 5'14" Crank pin dia. 5'3" Crank Webs Mid. length breadth 8 3/4" Mid. length thickness 3" Kind of fuel used Crude oil
wheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thrust Shaft, diameter at collars as per Rule
be Shaft, diameter as fitted Screw Shaft, diameter as fitted Is the tube screw shaft fitted with a continuous liner ✓
onze Liners, thickness in way of bushes as per Rule Thickness between bushes as per rule Is the after end of the liner made watertight in the
eller boss ✓ If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner ✓
he liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive ✓
eo liners are fitted, is the shaft lapped or protected between the liners ✓ Is an approved Oil Gland or other appliance fitted at the after
of the tube shaft ✓ Length of Bearing in Stern Bush next to and supporting propeller ✓
peller, dia. ✓ Pitch ✓ No. of blades ✓ Material ✓ Whether Moveable ✓ Total Developed Surface ✓ sq. feet
ethod of reversing Engines ✓ Is a governor or other arrangement fitted to prevent racing of the engine when declutched ✓ Means of lubrication
Thickness of cylinder liners 8" top 4" bottom Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with
conducting material ✓ If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine ✓
iling Water Pumps, No. One Is the sea suction provided with an efficient strainer which can be cleared within the vessel ✓
ge Pumps worked from the Main Engines, No. ✓ Diameter ✓ Stroke ✓ Can one be overhauled while the other is at work ✓
mps connected to the Main Bilge Line No. and Size How driven
last Pumps, No. and size ✓ Lubricating Oil Pumps, including Spare Pump, No. and size ✓
two independent means arranged for circulating water through the Oil Cooler ✓ Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge
ps, No. and size:—In Machinery Spaces ✓
olds, &c. ✓
ependent Power Pump Direct Suctions to the Engine Room Bilges, No. and size ✓
all the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes ✓ Are the Bilge Suctions in the Machinery Spaces
from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges ✓
all Sea Connections fitted direct on the skin of the ship ✓ Are they fitted with Valves or Cocks ✓
they fixed sufficiently high on the ship's side to be seen without lifting the platform plates ✓ Are the Overboard Discharges above or below the deep water line ✓
they each fitted with a Discharge Valve always accessible on the plating of the vessel ✓ Are the Blow Off Cocks fitted with a spigot and brass covering plate ✓
4 pipes pass through the bunkers ✓ How are they protected ✓
4 pipes pass through the deep tanks ✓ Have they been tested as per Rule ✓
all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times ✓
e arrangement of valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one
partment to another ✓ Is the Shaft Tunnel watertight ✓ Is it fitted with a watertight door ✓ worked from ✓
wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork ✓
n Air Compressors, No. ✓ No. of stages ✓ Diameters ✓ Strokes ✓ Driven by ✓
liary Air Compressors, No. ✓ No. of stages ✓ Diameters ✓ Stroke ✓ Driven by ✓
ll Auxiliary Air Compressors, No. ✓ No. of stages ✓ Diameters ✓ Strokes ✓ Driven by ✓
renging Air Pumps, No. ✓ Diameter ✓ Stroke ✓ Driven by ✓
liary Engines crank shafts, diameter as per Rule
as fitted

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes
the internal surfaces of the receivers be examined ✓ What means are provided for cleaning their inner surfaces None
here a drain arrangement fitted at the lowest part of each receiver Yes
h Pressure Air Receivers, No. ✓ Cubic capacity of each ✓ Internal diameter ✓ thickness ✓
less, lap welded or riveted longitudinal joint ✓ Material ✓ Range of tensile strength ✓ Working pressure by Rules ✓
rting Air Receivers, No. 2 Total cubic capacity 5.5 feet Internal diameter 11 1/2" thickness ✓
less, lap welded or riveted longitudinal joint Seamless Material Steel Range of tensile strength 29/32 tons Working pressure by Rules 500 lbs

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded? ☒

PLANS. Are approved plans forwarded herewith for Shafting ☒
(If not, state date of approval)

Receivers ☒

Separate Tanks ☒

Donkey Boilers ☒

General Pumping Arrangements ☒

Oil Fuel Burning Arrangements ☒

SPARE GEAR

As per attached List.

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building
During progress of work in shops -
During erection on board vessel -
Total No. of visits

Dates of Examination of principal parts—Cylinders 3-4-28. Covers 3-4-28 Pistons 3-4-28 Rods ☒ Connecting rods 3-4-28.

Crank shaft 9-6-28. Flywheel shaft ☒ Thrust shaft ☒ Intermediate shafts ☒ Tube shaft ☒

Screw shaft ☒ Propeller ☒ Stern tube ☒ Engine seatings ☒ Engines holding down bolts ☒

Completion of fitting sea connections ☒ Completion of pumping arrangements ☒ Engines tried under working conditions ☒

Crank shaft, Material Steel Identification Mark No 273. R.W.F. Flywheel shaft, Material ☒ Identification Mark ☒

Thrust shaft, Material ☒ Identification Mark ☒ Intermediate shafts, Material ☒ Identification Marks ☒

Tube shaft, Material ☒ Identification Mark ☒ Screw shaft, Material ☒ Identification Mark ☒

Is the flash point of the oil to be used over 150° F. *Yes.*

Is this machinery duplicate of a previous case ☒ If so, state name of vessel ☒

General Remarks (State quality of workmanship, opinions as to class, &c. This engine has been constructed under Special Survey, & the Society's Rules, the material & workmanship are good. On completion of erection the engine was coupled to an electric generator & run at full power for 6 hours & 10% overload for one hour, engine & generator worked satisfactory throughout the trial, & has now been dispatched to Glasgow to be fitted in the vessel.

The amount of Entry Fee ... £ ☒ : : When applied for, 15 OCT 1928
Special ... £ 2-2-0 : : When received, 16 OCT 1928
Donkey Boiler Fee ... £ ☒ : :
Travelling Expenses (if any) £ ☒ : : Low 11 4/2 29

Committee's Minute GLASGOW 12 MAR 1929

Assigned See Glasgow Report No 48950

A.E. Farmined.

Engineer Surveyor to Lloyd's Register of Shipping.

TUE. 9 APR 1929



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Foundation